

Conceptual Biology

Chapter 10: Diversity of Life 1

Bacteria and Archaea

Fill in the blanks:

1. The three domains of life are

_____, _____, and _____.

Of the 3 domains, _____ and _____ consist of prokaryotes and _____ consists of eukaryotes.

Circle the correct answers:

2. a. Are there any bacteria that can make their own food through photosynthesis, the way plants do? [Yes] [No]

b. Are there any bacteria that get their food from other organisms, the way animals do? [Yes] [No]

3. Bacteria reproduce [sexually] [asexually].

4. Bacteria that live on our bodies benefit us by

[producing vitamins]

[keeping dangerous bacteria from invading our bodies]

[both of these].

5. Are all archaea extremophiles? [Yes] [No]

6. Some chemoautotrophs make food using

[chemical energy]

[energy from sunlight].

In life, it's the stuff you can't see that does us the most damage.

